I Claim:

1. A manufacturing process of a Teflon dual-direction extending film filtration nonwoven having process method of,

a dual-direction extending film is splitted to become flock or lint;

a layer of flock or lint and a layer of dual-direction extending film have to be processed by carding and multi-laying;

processed by needle-punching;

laminate with a Teflon film and adhere-combined by thermo-heating, a filtration nonwoven finished product is made.

2. A manufacturing process of a Teflon dual-direction extending film filtration nonwoven as claimed in Claim 1, said flock or lint structure is added with a layer of dual-direction extending film, and can be multi-layers.

3. A manufacturing process of a Teflon dual-direction extending film filtration nonwoven as claimed in Claim 1, ultrasonic adhering, high cycle wave adhering and adhering by adhesives can be used instead of said thermo-heating for adhered-combining.

4. A manufacturing process of a Teflon dual-direction extending film filtration nonwoven having the following manufacturing processes,

multi-laying of film (or dual-direction extending film);

apply needle-punching;

laminate with a Teflon film, then adhere-combined by thermo-heating, a filtration nonwoven finished product is made.

5. A manufacturing process of a Teflon dual-direction extending film filtration nonwoven as claimed in Claim 4, ultrasonic adhering, high cycle wave adhering and adhering by adhesives can be used instead of said thermo-heating for adhered-combining.

6. A manufacturing process of a Teflon dual-direction extending film filtration nonwoven as claimed in Claim 4, said film (or dual-direction extending film) can be processed by film-splitting first.